

# MODULAR MAIN CENTER 400A WITH SPINE

## Modular 400A Main Distribution Center for Construction Sites

The **modular 400A main distribution center** is a **temporary site distribution solution** designed for **construction projects and events**. Developed with user feedback in mind, this **smart and versatile** distribution center meets a wide range of needs. The center includes space for a **kWh meter** for energy monitoring.

## Modular and Expandable Design

The **modular output section** includes **standard fuse-switch disconnecter outputs** and a **socket module**. Thanks to its modular design, additional **fuse-switch disconnectors or socket modules** can be added as needed, ensuring the board meets **specific customer requirements**. By default, the board has **two free module slots** for further expansion.

## Installer-Friendly Features

The distribution center has been designed to **simplify installation** with:

- ✓ **Easy cable connection** – Open-frame design allows direct cable access without threading under the unit. The bottom plates can be removed during installation.
- ✓ **Color-coded fuses for clarity and safety** – Brown (L1), black (L2), and grey (L3).
- ✓ **Optimized for 63A cables** – The door design allows smooth cable routing through **brush seals** without bending issues.

## Durable and Portable Construction

Manufactured from **powder-coated aluminium**, the board is both **lightweight and highly durable**. Additional **forklift pockets** and **lifting loops** ensure easy transport. **Lockable doors** on both sides, secured with a **triangle key**, provide



extra safety. The board stands on a **welded aluminium base**, ensuring **stability and durability** on-site.

### Integrated Remote Monitoring with Spine

All units come with the **Spine remote monitoring system** as standard, which can be activated when needed. This system provides **real-time energy consumption and CO<sub>2</sub> emission tracking**, along with **predictive alerts** for issues such as **phase imbalance, overvoltage, undervoltage, and other faults**, helping prevent electrical disruptions.

### High-Quality Manufacturing & Compliance

All **distribution boards are manufactured in-house**, ensuring **high quality and fast spare part availability**. Designed for **logistical efficiency**, the unit is built to fit a **FIN pallet (80x120 cm)**, making storage and transport easier. The product **meets the EN 61439-4 standard** for temporary power distribution.

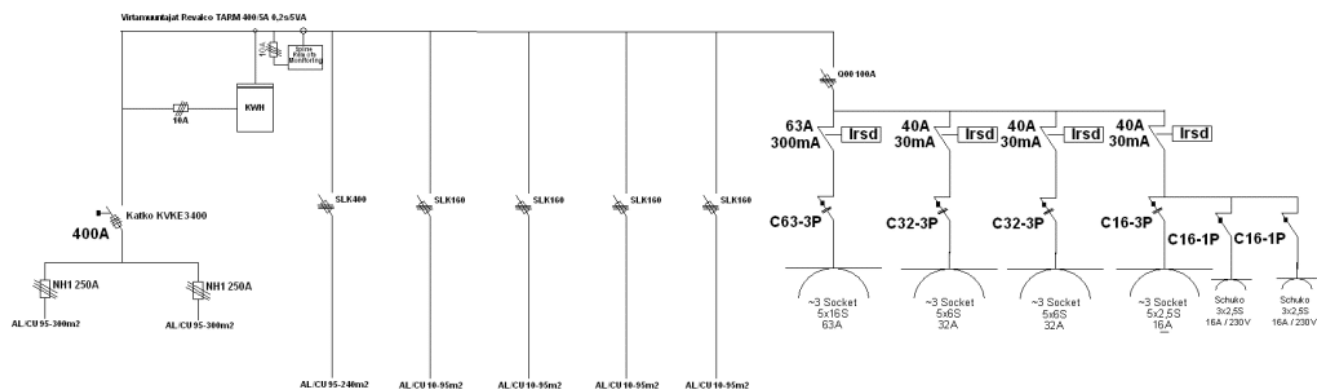
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## TECHNICAL ATTRIBUTES

<b>Nominal Current</b>	400A	<b>RCD</b>	1 x 300 mA 3 x 30 mA
<b>Nominal voltage</b>	400V	<b>Short-circuit resistance</b>	Icf = 25 kA
<b>Input fuses</b>	2 x NH1 250A	<b>Weight</b>	254,5 kg
<b>Size of the input cable</b>	2 x 95-300mm <sup>2</sup>	<b>Dimensions (H x W x D)</b>	1,83 x 1,2 x 0,8 m
<b>Fuse output</b>	4 x SLK 160 1 x SLK 400	<b>Enclosure class</b>	IP44
<b>Socket outlets</b>	2 x 16A/230V 1 x 16A 2 x 32A 1 x 63A	<b>Vastaava mallinumero</b>	ZFSF400/41/2121-31

# DIAGRAM IMAGES

## MSCS-400A



## OTHER PRODUCT IMAGES

